

Cambridge Council scans waste problem

By Leigh J. Passman

A new City of Cambridge ordinance, perhaps more stringent than present federal Nuclear Regulatory Commission (NRC) regulations, restricting the storage and transportation of radioactive waste is to be considered soon by the Cambridge City Council.

At a public hearing November 19, at which administrative representatives from MIT and Harvard University spoke, Councilor Alfred Vellucci announced, "We are proposing to submit to the City Council an ordinance to control the storage, disposal, and the transportation of nuclear waste material."

Responsibility for drafting the proposed ordinance has been given to City Solicitor Russell Higley and the city's Health Planning Board, with a deadline of December 3, the next Council meeting.

The Council's hearing followed by four days an announcement by Governor Dixie Lee Ray of Washington that the Hanford nuclear waste disposal site would reopen. However, as of November 20, MIT's Radiation Protection Officer Murray Bolton

persistent attack dominated the hearing, questioned the risks to Cambridge residents of the universities' principle radioactive waste scintillation fluids. Dr. Wacker, Director of Harvard University's Health Services responded, "The chief danger from the low-level liquid radioisotope-containing material is the fact that the solvents in which the radioactive materials are dissolved are flammable." Pressed again by Vellucci, Wacker again emphasized, "... the major danger involved would be mishandling and that you could have an explosion with the material. The level of activity contained in the scintillation vials are really very low, comparable to what we have in nature."

Council members were wary of efforts by Wacker and MIT's Dean of Science Robert Altery to downplay the seriousness of low-level radioactivity. Derided Vellucci, "Who determined high level or low level... who determined whether I die all at once or whether I die a slow death?" Responded Altery, "... the amounts of radioactivity which



MIT's Dean of Science Robert Altery and Walter L. Milne testify on the safety of nuclear waste disposal. (Photo by Jim Mihori)

Altery responded, "No. The large users of radioactive isotopes at MIT are the Department of Biology, the Dept. of Nutrition and Food Sciences, the Cancer Research Center and the Chemistry Department." Walter Milne, Special Assistant to the President and Chancellor for Urban Relations, cited other waste producers in Cambridge: Cambridge and Mt. Auburn Hospitals, Clinical Assay, Inc., Arthur D. Little, and "small amounts at two or three other places."

Most of the discussion was consumed by details of truck routes, inflammability of scintillation fluids, and security measures until Councilor Mary Ellen Preusser captured the essence of the dispute, emphasizing the lack of communication between the city and MIT and Harvard.

"... both of the institutions are here and they go ahead and make their decisions about how they're going to conduct themselves within the parameters of their own philosophy..."

"If Councilor Vellucci had not put his order into the City Council, would it have occurred to either one of the institutions to come to us... I'm afraid the answer is no."

"I think it's at the root of the problem between the institutions and the City of Cambridge, and I think it is very unfortunate that it is never the institutions that take the initiative and come to the City Council and say 'look, we want to share what is happening.'"

"I think it is very painful and we are going to be in an adversary relation in this city until the institutions and the City of Cambridge become positive planning partners of the future of this city."

The Council acknowledged that not all responsibility fell on the universities. As Councilor Sandra Graham noted the community biohazards committee established during the recombinant DNA controversy, "has not met... is not doing anything... I went through this whole DNA thing, I don't think we have the capacity to absorb it all and we don't have the expertise..."

IAP contemplates a successful ten years

By Neil Singer

This year marks the 10th anniversary of MIT's Independent Activities Period (IAP). Originally conceived as an academic calendar reform, IAP has developed into an extensive, yet unstructured program of interesting mini-courses and seminars. Though the IAP offerings, which are student or faculty initiated, are similar to those of previous years, this year's IAP highlights energy-related topics.

According to Woodie Flowers, Policy Committee Chairperson for IAP, more activities have involved the energy problem than any other single topic, thus it has become important to distinguish these subjects from the others. He continued by explaining that "MIT has so many experts on the

boasting of only a five percent activity average cancellation rate out of the approximately 500 activities listed annually in the IAP Guide. Though student participation can not be exactly determined due to the unstructured nature of the offering, housing statistics indicate that between 70 percent and 90 percent of the students are on campus in January. Enterline emphasized the fact that the number of people who attend the mini-courses is not really important, because "sightseeing, reading and other independent activities are also an integral part of IAP."

The concept of IAP was developed in the late 1960's as a part of then-Provost Jerome Wiesner's program for calendar reform in order to provide a six



Mary Enterline, Editor of IAP Guide. (Photo by Linda Custer)

energy problem that someone who attends these activities can conceivably learn enough to offset some of his tuition costs with fuel savings at home." For these two reasons, the IAP office will be preparing a special schedule of energy-related topics, so that students may easily plan to attend many of these programs. However, Mary Enterline, Editor of the IAP Guide, stressed the fact that there has always been a balance between academic and non-academic activities offered during IAP, and that energy-related topics are merely being made more recognizable.

IAP has been very successful since its inception in 1971,

week period for students to relax and pursue their outside interests. According to Provost Joel Orlen, Chairman of the IAP Planning Committee, activities such as those presented now in the IAP Guide developed in the first IAP almost spontaneously from students who decided to pursue their interests together. "The first IAP in 1971 was almost completely organized and run by students," declared Mr. Orlen.

As a result of changes in student attitudes, several IAP activities have received particular notoriety over the years. During the first year of IAP, several hundred students demonstrated

(Please turn to page 2)



Cambridge City Councilor Alfred Vellucci led the questioning at the low-level radioactivity hearing November 19. (Photo by Jim Mihori)

had received no confirmation from the NRC that MIT could resume shipments. In the interim, both universities have been shipping scintillation fluid waste to the Todd Shipyards Co., in Galveston, Texas.

Councilor Al Vellucci, whose

are used in most of this research... are extremely low and not very different from the level of radioactivity with which we are in contact everyday of our lives."

When queried whether any radioactive materials were used for Dept. of Defense contracts,

Ramon Cassaprima

By Kevin Mazula

Ramon Cassaprima '81, former Treasurer of Delta Upsilon, died of cancer early Wednesday morning in N.Y.C. There will be a memorial service at 7:30pm this Thursday at St. Ann's Church in Boston.

Ray had been forced to leave his chemical engineering studies at MIT just before last spring's final week, and underwent several operations over the summer. He returned at the beginning of this

semester while undergoing chemotherapy, but was recalled to the Sloan Kettering Memorial Cancer Center on September 28, 1979.

The funeral was held Saturday in Mahwah, New Jersey. The Cassaprima's have requested that any remembrances be sent to the Library Fund at the Don Bosco High School, Ramsey, New Jersey, or else to the Sloan Kettering Memorial Cancer Center, N.Y.C. for cancer research.

news roundup

World

Iran —The United Nations secretary General Kurt Waldheim has called for a urgent meeting of the UN Security Council to deal with the US — Iranian issue. Waldheim described the "crisis situation" as being the most serious threat to world peace since the 1962 Cuban missile crisis. The Carter Administration now approves the UN initiative, but Carter himself doesn't think that the UN appeal will be very effective.

Iran's finance minister Abol Hassan Bani-Sadr made arrangements to talk to the UN General Assembly, but for some unknown reason he has canceled his plans. The cancellation was made within three hours of the proposal.

The hostages are in "relatively comfortable circumstances", according to Rep. George Hansen (R-Idaho), who was permitted to visit the hostages in Tehran. Hansen described the hostages as having a little "cabin fever" from confinement, but otherwise appearing healthy.

Israel surrenders land —Israel is continuing to give up the occupied land gained during the 1967 and Yom Kippur wars. Most recently Israel returned to Egypt the Alma oilfield in the Gulf of Suez, its most serious sacrifice of the peace treaty so far.

Local

Couple gains fame —From anonymity to fame, that is the story of Gerry and Diane Green, who were victims of the controversial laetrile issue. Since the death of their son Chad from leukemia, they have become national figures. Gerry Green is now the national chairman of the Freedom of Choice effort, which is trying to separate individual medical decisions from the medical establishment.

— Stuart Canton

Weather

Most of the rain should be ending by this morning. With partly cloudy skies, brisk west winds, and a few lingering showers, highs should reach 60. Cooler tonight, but still well above the normal with a low near 44. Variable cloudiness Wednesday, with highs near 61, lows near 45. Chance of some more, but much lighter rain Wednesday or Thursday. Look for above normal temperatures through the week. Chance of rain 40 percent this morning, then 20 percent today and tomorrow, 40 percent Wednesday night and Thursday.

IAP's 10th

(Continued from page 1)

severely limiting the availability of tools. Another year, "The World's Largest Yo-Yo" was constructed by students working with Prof. Jim Williams. It was dropped off of the Green Building. Over a thousand disappointed people, including the national press, groaned as the yo-yo failed to climb back up its 265 feet of cable.

Many favorite events of the past are back once again this year. The spelling bee and the College Bowl have always been popular as well as certain courses that have been offered during each year of IAP, such as an "Introduction to Law" by Prof. Jeffery Meldman.

The second IAP Guide, including a complete listing of 1980 IAP activities, will be distributed by early December. The IAP office will also be posting a calendar in Lobby 7 and in Tech Talk in order to aid students in finding activities that interest them. Pre-registration is not required for participation unless specified in the course description.

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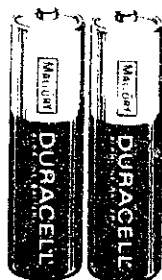
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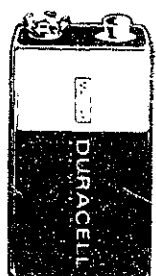
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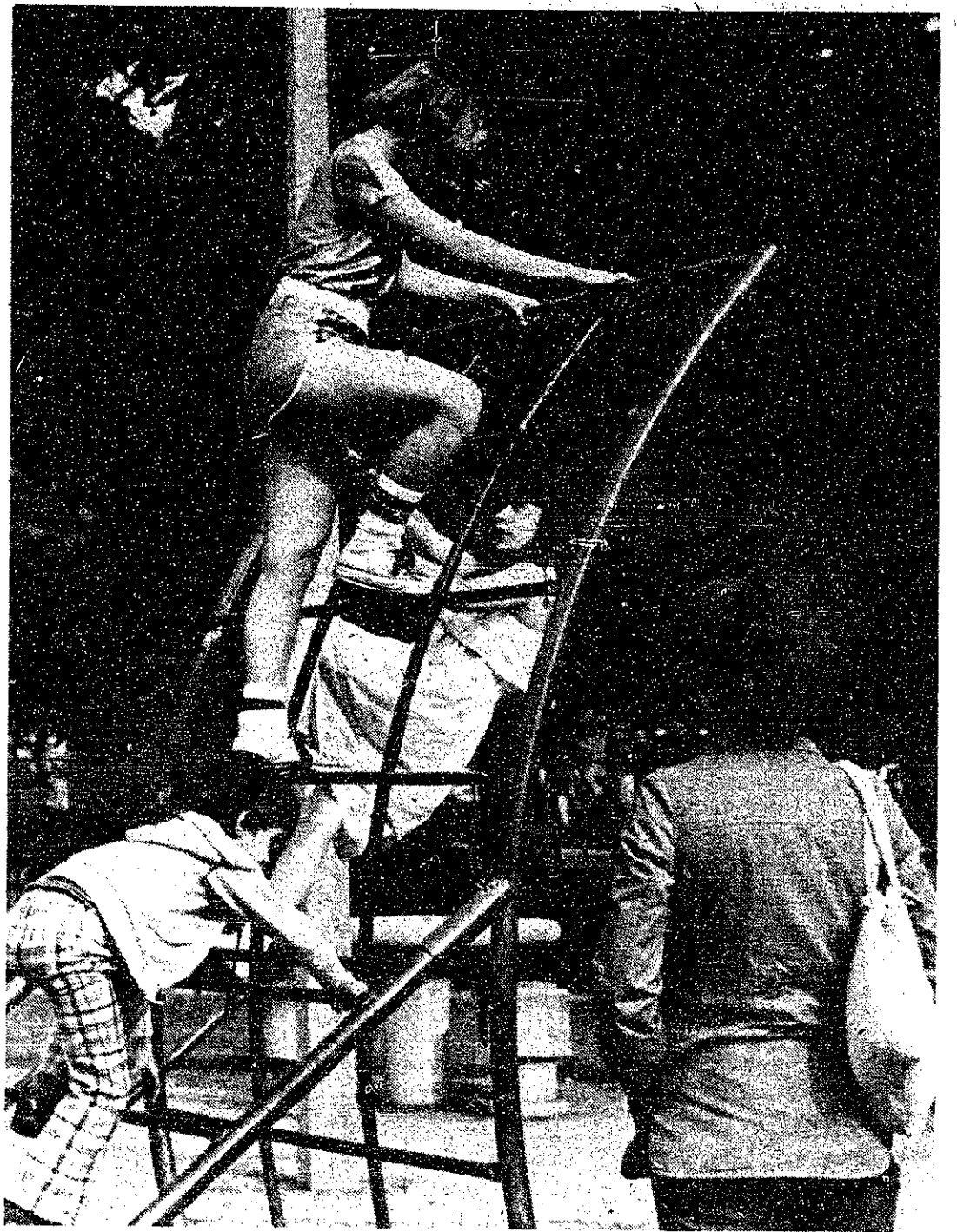
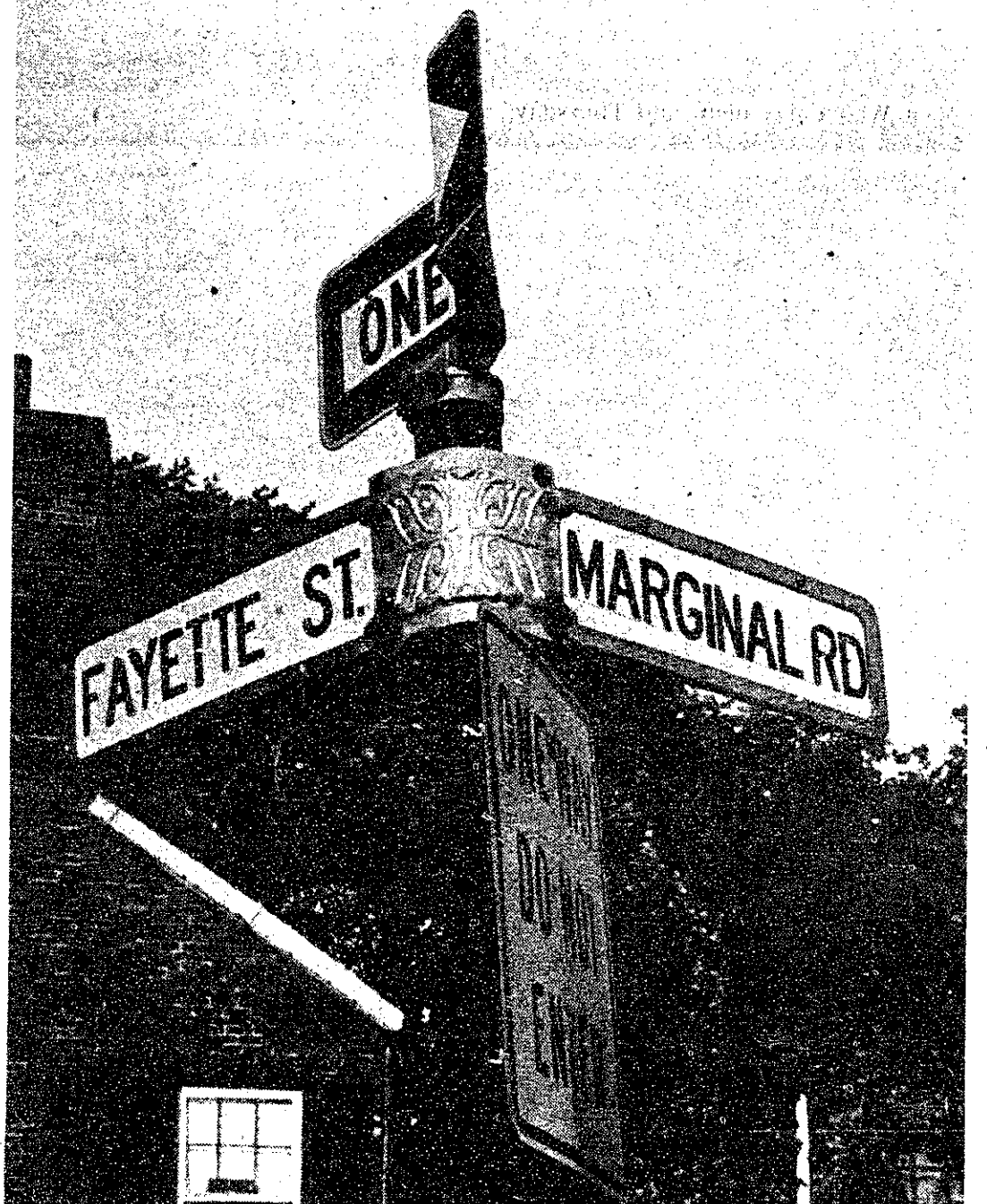


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opinion

Tom Curtis

Students can effect policy decisions

At MIT today, there is a basic feeling of powerlessness among the student body. Because of their position at the bottom of the MIT power structure, students feel helpless whenever the administration or faculty considers a proposal which could adversely affect students.

This feeling of helplessness was particularly evident during the recent commons boycott. Many students I talked to said they would join the boycott but they didn't think it would have any effect on the administration's decision.

This attitude is not really justified. True, students are almost never empowered to make the final decisions — a situation which should be changed — but students do have quite a bit of effective power nonetheless.

Students occupy a central position at MIT: this school is here supposedly to benefit students and prepare them to serve useful functions in society. If students consider a proposal not beneficial to them, the administration had better listen.

The MIT administration does listen, although it doesn't always agree with students. The administration isn't a pack of conscienceless ogres who enjoy seeing students suffer. In fact, many members of the current MIT administration have been champions of student causes. President Wiesner was a strong supporter of student protesters in the Sixties. Chancellor Gray was an early supporter of freshman pass/fail.

Many students feel helpless for another reason: they fear that if they speak out, the administration will use its power to punish them. Students know how quickly the disciplinary machinery can be started up for relatively trivial reasons. Juniors and seniors remember the Grogg incident when a faculty member attempted to have student expelled for what was intended as a harmless hack. Since the MIT disciplinary code is not well understood, students fear what could happen if they protest.

This fear is not really justified either, however. The MIT disciplinary machinery is mobilized only when there is a definite moral question involved. As far as I know, no one at MIT has ever been disciplined merely for complaining about an administration action.

In short, there is no good reason for students not to speak up. At the very least, speaking up will make us all aware of the problem. It is quite possible that speaking up will have a major impact. We still have an eleventh week drop date because a few students chose to speak out against a proposed move to the eighth week. We don't have grade distributions on transcripts because some students chose to speak out. We do have a football club because some students chose to push their idea over the objections of some members of the administration.

Nothing good happens to students unless they make it happen. We don't need to occupy the President's Office, but we don't need to bow down to the administration, either. So speak up without fear; you'll be surprised what happens.

NEWS ITEM: SCIENTISTS HAVE FOUND WHAT IS BELIEVED TO BE THE OLDEST FOSSIL FOOTPRINTS



How it feels to be ripped off

By John Molitoris

About a month ago, a friend of mine came in from Seattle. He is a post-doc at the University of Seattle and he was in Boston to give a talk at MIT on his current research. I met my friend at Harvard Square and we went to a professor's house where he was to spend the night. As it wound up, I stayed for supper and had a very pleasant evening. I got back to my apartment at about 11:20 and didn't have a care in the world. The I glanced over to the spot where I had parked my motorcycle earlier that day and suddenly had a care in the world... no motorcycle!

I vaulted up the stairs to my Cambridge apartment, hoping that my roommate was playing some absurd joke. No dice, the bike was gone.

The Cambridge police were not very encouraging. They wrote all the information down in this big black book and said that stolen motorcycles usually turn up... eventually. One officer told me that there was a 90 percent chance of recovery, but he did not sound very optimistic.

I walked out of the police station feeling... well, the only way I can describe it is "ripped off." In fact, I felt more ripped off than I had ever felt in my life. I would have felt ripped off under any similar circumstances, but losing my motorcycle cut a little deeper. You see, when I was 13 years old I worked all summer in a paper factory for \$1.65 an hour so I could buy a motorbike, but my dad made me save that money for college. I worked the following summer at the same place for \$1.75 an hour, but this time my dad conceded and I bought a red dirt bike. I still remember sweating in that factory. There was no air conditioning and it looked like something out of the industrial revolution. Somehow I managed to take care of the motorcycle over the years, and this fall I brought it to MIT with me.

Last week I received a call from the Cambridge police notified me that the bike was recovered. It was good news, for a while at least. I called up some garage where the bike was towed, but they told me that they didn't have a red motorcycle there. They had a blue one with my serial numbers, but not a red one. Okay, I expected the bike to get a paint job. What I didn't expect was a towing and a storage fee which broke me. In addition to this the garage did not want to release it because it had no license

plate! I could not believe it. Some jerk actually expected a thief to leave the original plates on a stolen bike! When I finally saw the motorcycle, I was in arms.

What I did not accomplish in six years, some Cambridge punk was able to do in four weeks. The motorcycle was totally destroyed. Seized engine, battered transmission, suspension ruined, etc. It was a total loss, just a piece of metal that resembled a motorcycle. Originally, I paid \$700 for it; now it was worth about \$10. To replace it will cost \$900, but I can't afford to do that as all my money goes toward college.

The police arrested two 16 year old youths when they found the bike. When I saw the condition it was in, I went to the police station. I figured that I might be able to get some of my parts back. However, the desk sergeant informed me that I "had no right to know the names and addresses of the thieves." At that point I guess I raised my voice, because the sergeant proceeded to give me a lecture on how I couldn't scare him by yelling. He went on to say that he had been sitting there for 25 years and that no one could scare him after 25 years. I was going to ask how it felt to sit in one chair for 25 years but I decided to

leave it at that. Another officer told me that I would have my chance in court and that it wouldn't do any good to kill them before I took them to court. I really didn't think I sounded that bad, but the police thought so. (The guy who had been sitting in the chair for 25 years was probably just protecting me.) This officer also told me that lately the courts had been strict, but even if I was awarded full compensation there was no guarantee I could collect it. (I didn't feel much better after I heard this.) Also, if these guys were first offenders, they could get off scot-free.

The case comes to court in about a month. I still feel pretty ripped off. It makes no sense for someone to senselessly destroy what I have worked for. It makes even less sense for the law to let him go if this is the first offense. There were times in this whole affair when I would have liked to use the crow bar method, but then I am a civilized person. I worked for what I have, so how can I understand the poor deprived Cambridge youth who can steal anything he wants? How can I expect this fellow to work for the same thing? We'll see how things go in court.

feedback

Should non-MIT issues be considered by the GA?

To the Editor:

At the last General Assembly meeting, I introduced a resolution asking the General Assembly (G.A.) to endorse two letters; the first letter is to the student government of the University of San Carlos in Guatemala sending our condolences concerning the assassination of its president and subsequently the "disappearance" of his successor, and the second letter to the President of Guatemala informing him that we have learned about abductions, disappearances and assassinations that occur daily in Guatemala and are asking him to investigate and to protect those who are placed on public death list by ESA death squad.

Human rights violations in Guatemala have become an everyday problem. In the period between 1966-1978, over 20,000

individuals have been abducted, tortured and assassinated. However an escalation of outright killing and "disappearances" began last year. The average number of bodies found throughout the country has been between six and nine daily. Some days as many as 17 bodies have been recovered. Victims are often found mutilated or with marks of torture making identification of bodies difficult. Some of the killing and "disappearances" are the work of the Secret Anti-Communist Army (ESA) death squads. It operates with impunity because some of its members are also members of the security forces in Guatemala. The dignity of man is trampled everyday as people become assassinated or "disappeared" throughout

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The Tech

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opinion

Guatemala human rights an issue for the GA?

(Continued from page 4)

Guatemala. For whom the bell tolls...?

The issue is not simply should the GA pass this resolution but also should the GA be concerned with issues outside the immediate concern of the MIT community. Several questions are raised. Is it appropriate for the GA to pass such a resolution? How representative of the student body as a whole is the consensus of the GA? Should the GA only act on non-political issues outside its immediate concern? Only the student body could find the answers to these questions.

There are two reasons why the GA should not be concerned with issues outside its immediate community. First, these issues will preoccupy much of GA meeting time. Second, the passage of this resolution could open GA to barages of issues from every special

interest group. However, both of these problems could be lessened by having the GA decide to give or not to give consideration to each issue or having an agenda committee screen each issue. This resolution should be passed because one of the functions of the student government is to voice the concerns of its student body. Should the GA take a stand on peacetime draft?

Whether or not this resolution is passed on Tuesday, November 27 is not as important as the question was this decision reached by the majority of MIT student body. This is a very controversial issue and must be decided by the student body in order to be of any significance. In order for the student government to function, your support and your input is needed.

Shiou Huang
Student delegate to the
General Assembly

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news editors.

Columns are usually written by members of *The Tech* staff and represent the opinion of only the author, not necessarily that of the rest of the staff.

MEGA TEST

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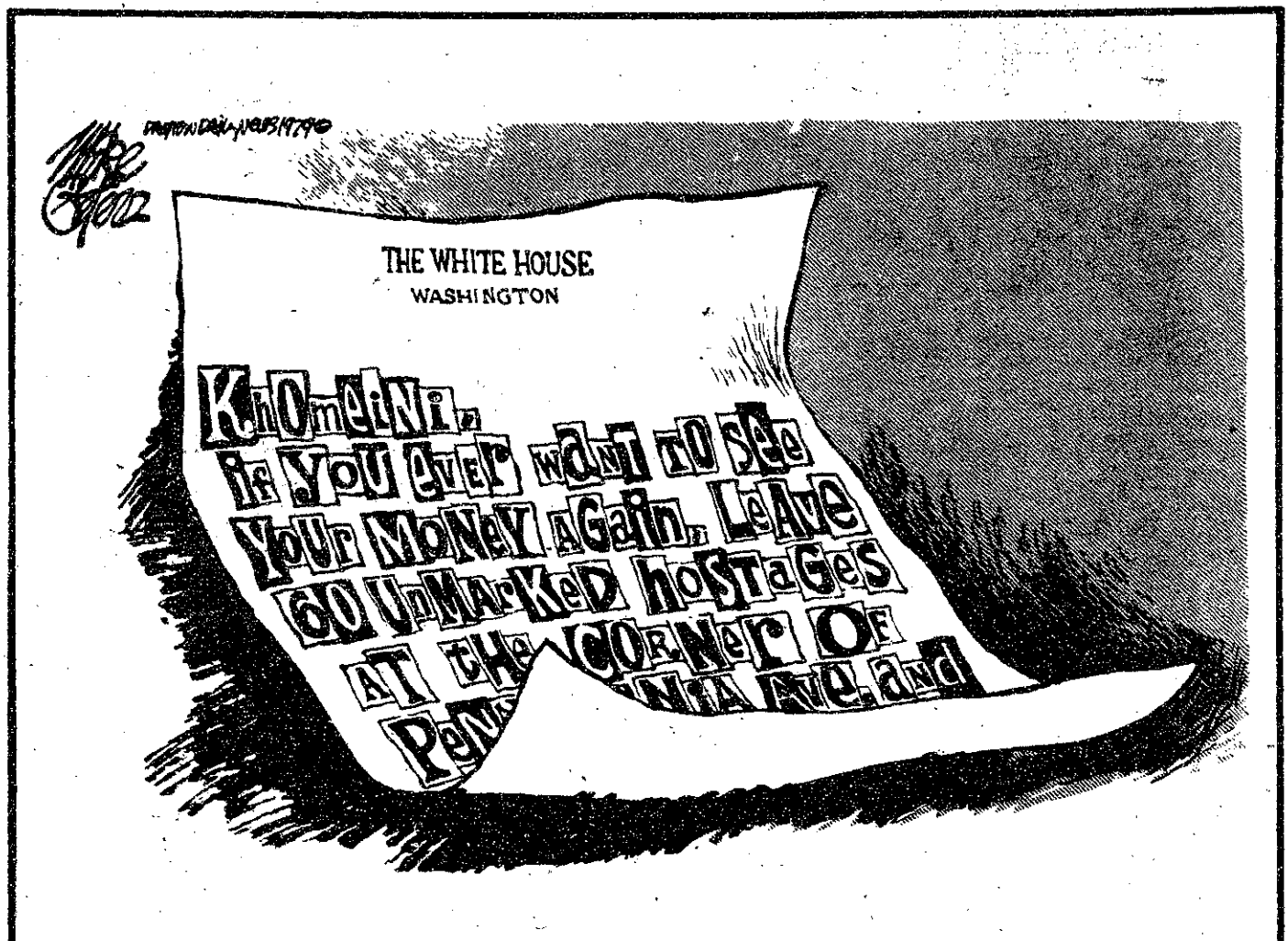
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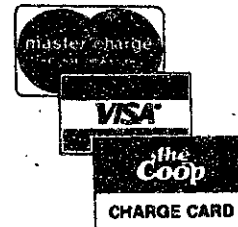
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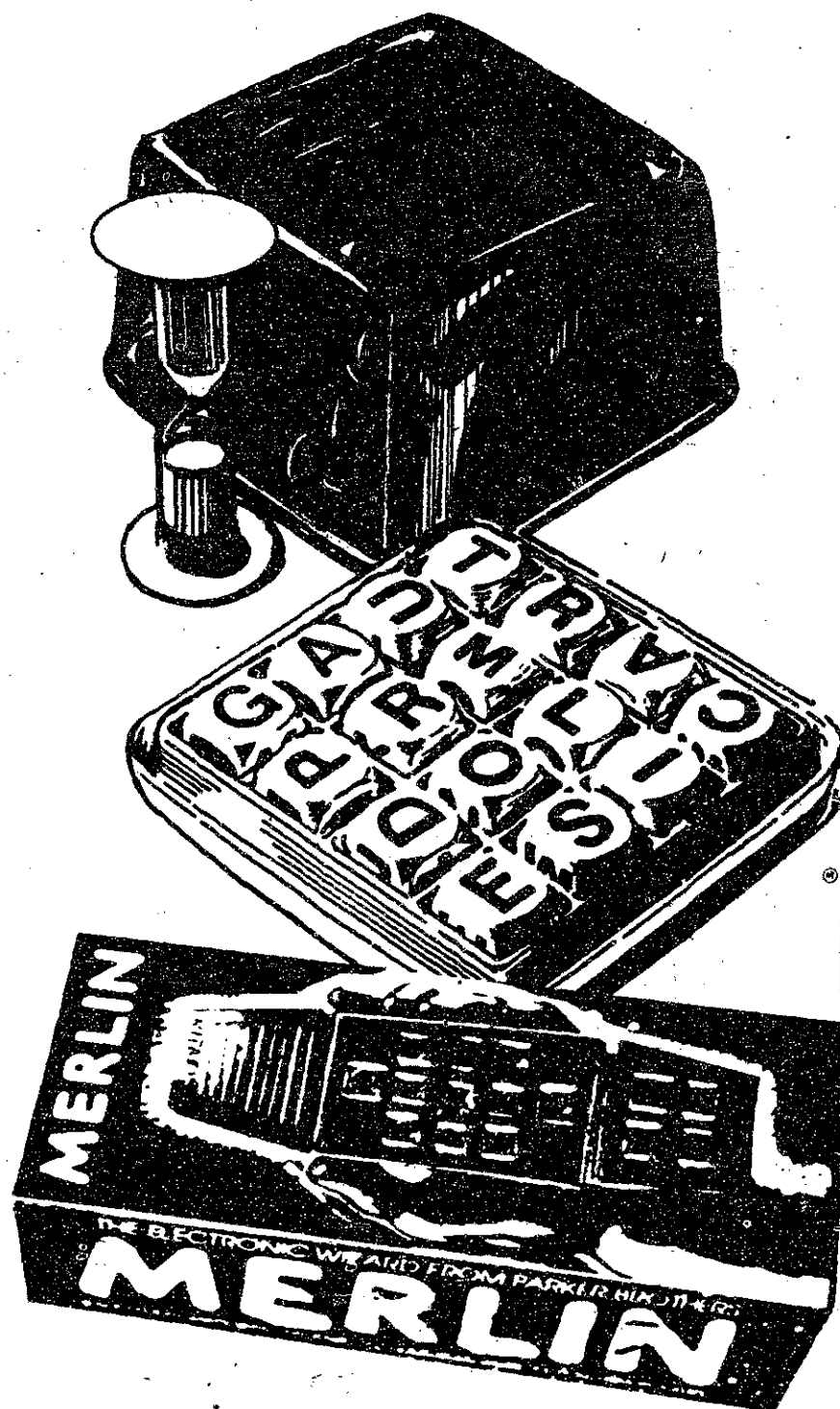


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arts

Don't miss Snap Shots, Neglect Guare

Snap Shots: by Ralph Fredericks; starring Donna Lee Franklin, Laurie Zallen, Linda Denne, Kathryn Kirkwood, Jean Comstock, and Irene Devlin; directed by Christopher Powich; now at the Boston Arts Group Main Stage.

Six women spend their working lives processing other peoples' frozen moments of happiness. We focus on their Christmas party in the lounge of the Ashworth Pharmacies Photo Developing Lab and view an exploration of their psyches in the hands of playwright Ralph Fredericks. In this snapshot of their lives, the truths they fear to reveal are developed and mounted for all to view in a witty and touching style.

Toni (Donna Lee Franklin) is a pre-programmed "convenience-packaged" nothing. Taking for granted her subjugated position relative to her husband, she can



Left to right: Madeline (Kathryn Kirkwood), Carol (Irene Devlin), Vicki (Linda Denne), Dot (Jean Comstock), Toni (Donna Lee Franklin), and Bess (Laurie Zallen).

hardly be expected to listen to the feminist proclamations of Bess (Laurie Zallen) — it is not her role to think. Ms. Franklin is excellent at creating the timbre of of this character: a slightly pretentious posture and a plastic smile that says nothing but excuses the brain from producing anything further.

Vicki (Linda Denne) is a serious lesbian, bait for the taunts of Kathryn Kirkwood's Madeline, who drinks, bitches, and deludes herself. In an expert performance, Ms. Kirkwood creates a mock-superior air, exuding vicious condescension, but the unfolding drama unmasks her. In a drunken, frenzied state she reveals the photos of the thirty men who have "fucked" her, carried as "only proof that someone wants to lie with me."

Jean Comstock brings out the hypocrisies of Dot, a middle aged prude. With fruity voice she projects a moralising mother figure operating within a narrowly defined set of "rules" of decorum. Like Toni, she does not think, nor does she want to think. Bess probably thinks a good deal more than the others and sees their failings, but wants to impose her own questionable morality.

The star of the evening is without doubt Irene Devlin as Carol. Touching and true, she portrays the only member of the sextet with nothing left to hide. Schizophrenic as she has been, she is rated low by all, yet it is she who understands most. Mistreated by all, her presence is vital to adjusting the lens for a sharp exposure of every one of them. She is the only one to give a Christmas present with her heart, yet she is

rejected, the noise of the others' ignorance overpowering the signal of her genuine gesture.

Maybe this will not be classified as a great play of the seventies — there are elements of predictability about most of the characters, and a lot of what is said has been said before. However, it is a carefully thought out probe of the existence of six women, and it is an emotional experience. All six actors have been adept at acquiring the mannerisms and (in)sensibilities of their subjects, and will certainly make the audience think.

* * * *

Bosoms and Neglect by John Guare; starring Lenka Peterson, April Shawhan, and Richard Kavanaugh; directed by Larry Arrick; playing at the Charles Playhouse through December 16.

A moving ending. For a few moments concentration was sharply focused on the stage; unfortunately, this hardly made up for the labored nonsense that preceded it.



John Guare's *Bosoms and Neglect* is about relationships — primarily that between a mother, Henny (Lenka Peterson), and her son Scooper (Richard Kavanaugh). Henny has had cancer for

two years when Scooper discovers it — she did not have the trust to confide in him during the period her breast (or "bosom" as she prefers to call it) was being eaten away. She enters a hospital. Scooper has a hysterical (as in wild) scene with Dierdre (April Shawhan). Having vented his fury by ripping up her beloved collection of bound books and being stabbed by her in return, guess what? He finds himself in a hospital with his mother, whom he now tries to induce to suicide. The explanation of this mess finally arrives at the close of the play. By this time, however, it is too late, for without the explanation, despite the competent performances of the cast, all seems stupid and incomprehensible, and with it, the whole is unbelievable. There are many cheap laughs which will be enjoyed by all those with an I.Q. of less than 20, a few instances of sharp and meaningful wit, and a great deal of tedium.

— Jonathan Richmond

on the town Movies

Chinatown, the MidNite Movie, Sat., Dec. 1, second floor of the Student Center. This weekend's LSC lineup:

Lord of the Rings, Fri., 7 & 10, and Sat., 2pm, 26-100.

Captain Blood (Classic), Sat., 7:30, 10-250.

Forbidden Planet, Sat., 7 & 9:30, 26-100.

What Do You Say to a Naked Lady?, Sun., 6:30 & 9, 26-100.

comics

Dybosphere
By Appleman,
Plotkin, and Bradley



The Beaver
By Glenn Ackerman



Stickles
By Geoff Baskir



Paul Hubbard
By Kent C. Massey



notes

The Los Alamos Scientific Laboratory (LASL) is accepting applications for its Graduate Research Assistant Program.

Positions are open to graduate students who intend to continue with graduate studies, as well as to undergraduate students receiving bachelor's degrees by the date of hire. Those interested in summer employment under the program should apply by Nov. 30, to allow time for processing security clearances.

LASL applications postmarked no later than Nov. 30 must be accompanied by transcripts of all completed undergraduate and graduate work. A list of courses in progress and letters of reference from two major course professors and/or former supervisors must also accompany the application.

Selection is made on the basis of the applicant's academic record, experience, and/or interests, and the recommendation of professors. Applicants will receive notification as soon as possible after selection has been made in December.

Application forms may be requested from, or sent to:

Patricia D. Beck, MS-280
Recruiting Coordinator, PER-

Los Alamos Scientific Laboratory
PO Box 1663
Los Alamos, NM 87545
Phone (505) 667-2539.

* * * *

The National Endowment for the Humanities, through its newly-expanded Youthgrants program, will offer more than 100 awards throughout the nation this

fall to students and other young people in their teens and early twenties to pursue independent projects in the humanities.

The deadline for submission of completed applications has been extended to Dec. 1, the only deadline during this academic year. Application forms should be on file in college offices which deal with federal grants.

These federal grants offer up to \$2500 to individuals and up to \$10,000 to groups. They are intended primarily for those between the ages of 15 and 25 who have not completed academic or professional training. While the program cannot provide scholarship support or financial aide for thesis work, undergraduate work which is assured of public dissemination can be supported. The humanities include such subject areas as history, ethnic studies, folklore, anthropology, linguistics, and the history of art.

Youthgrants have been used by young people to carry out a wide variety of projects such as exhibits of documentary photographs, printed or audiovisual records of local history, and films on anthropological subjects.

* * * *

Jeffrey L. Pressman Award
All MIT juniors (class of 1980) are eligible for this award of \$1500 for use during the summer to undertake a special project in American government and politics. The project should focus on some legal, political, institutional, or policy issue and may include proposals for research, travel, interviews and

d/or internships. Application deadline is Feb. 15, 1980. For more information, contact Dr. Louis Menand, III, Rm. 4-246, x3-7752, or Emily Tsutsumi, Rm. E53-460, x3-3649.

* * * *

The following fellowships are now accepting applications: **Dissertation Fellowships:** Approximately 70 fellowships are available for women who will have completed all course requirements and examinations for the doctorate except the dissertation by Jan. 2, 1980, and whose degree will be received by the end of the fellowship year (June 1981). Applicants must be citizens of the United States or hold permanent resident status. Period of Award: 12 months beginning July 1, 1980; stipends \$3,500-\$7,000. Deadline: Dec. 15, 1979.

Postdoctoral Fellowships: For postdoctoral research for women who hold the doctorate at the time of application. Applicants must be United States citizens or hold permanent resident status. Funds may not be used for research equipment, publication costs, travel grants, or tuition for further course work. Awards are made for 12 months, beginning July 1, 1980. Stipends range from \$3,500-\$9,000. Deadline: Dec. 15, 1979.

For American Women in Selected Professions: These fellowships assist women in their final year of professional training in the fields of law, dentistry, medicine,

veterinary medicine, and architecture. Average awards of \$4,000 for one academic year beginning in Sept. 1980. Deadline: Dec. 15, 1979.

International Fellowships: Approximately 45 fellowships are awarded for one year's graduate study at a United States institution for women who are citizens of countries other than the United States. Six awards for advanced research in any country other than the Fellow's own for women who are members in their own country of National Associations

affiliated with the International Federation of University Women are also available. Stipends cover cost of living according to need and place of study and average \$2,500-\$5,500. In special cases tuition and fees are covered, but not travel costs. Awards are for one year, beginning in Sept. 1980, and are not renewable. Deadline: Dec. 1, 1979.

Further information on the fellowships is available from Dean Jeanne Richard, in the Graduate School Office, room 3-136, x3-4869.

NUTCRACKER SUITE

Tickets for the December 14th and 15th performances of the Boston Ballet production of the Nutcracker Suite will be available in the UA office, room 401 of the Student Center, from 10am to 2pm. Tickets are \$11, \$8, and \$5. sponsored by the UA Social Committee.

A lecture by

Yaacov Tzur

General Secretary, United Kibbutz Movement, Israel

The Role of the Kibbutz Federation and Its Problems

3:30pm Wednesday, November 28
108 Emerson Hall in Harvard Yard, near Widener Library

**Harvard University
Project for Kibbutz Studies
Center for Jewish Studies**

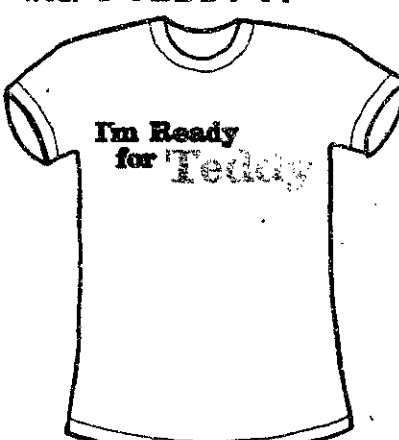
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sports

Dartmouth and MIT sports alike in a way

By Gordon R. Haff

The uniqueness of MIT sports as espoused by generations of *The Tech* sports editors is something which is regarded as self-evident around MIT. But are MIT sports unique, as people around here believe them to be?

I have had frequent occasion to think back upon MIT sports from my vantage point in Hanover, NH. I would hasten to point out that Dartmouth and the rest of the Ivies are very different from the big state universities. However, even among the Ivies, Dartmouth is in many ways distinctive.

Unlike a school such as Harvard, Dartmouth is isolated from civilization (Hanover, nice town that it is, simply doesn't qualify as civilization, with a total population of about 6,000). This sense of isolation promotes a certain bond among people at the school which is rarely seen at most places.

Just as significantly, there is a great deal of class spirit, especially among the 'shmen (Dartmouth slang for frosh). The freshmen build a bonfire before the two major home football games of the fall (Homecoming Weekend and Houseparties Weekend). They also spell out their class number on the field at halftime of every football game. Class spirit is something which I never saw on a school-wide level at MIT. Probably the only times the majority of an MIT class get together are at the freshman picnic and at graduation.

Perhaps you are wondering what this has to do with a comparison of sports at MIT and Dartmouth. These two issues are related because sports are woven into the social aspect of life at most schools. It may not be as obvious at MIT as at Dartmouth, but sit down and think about it

for a second. How many living groups at MIT are brought together by common interests in which sports play an integral part?

There is more similarity than one might expect between sports at MIT and Dartmouth — between a technically-oriented school in a city and a smaller

ball game will outdraw many varsity sports contests.

Attendance at Dartmouth intramurals is similar to MIT's. There are two basic leagues — dormitory and fraternity, with no breakdown within those divisions. Thus, on the whole, IM's in general are as rough and hard-hitting as A or B league is here. In addition, IM field space is sub-



Freshman are shown constructing the bonfire before the Dartmouth-Brown football game. (Photo by Gordon R. Haff)

liberal arts school buried in the wilds of New Hampshire. Most differences are not fundamental — they are differences of degree. In short, the two schools are far more similar than they are different.

Sports other than football and ice hockey at Dartmouth do not draw well. At best, attendance may average twice that of MIT. Like here, a big intramural foot-

vient to varsity field space in a way in which it isn't (and couldn't be) at MIT. Although Dartmouth field space is probably five times that of MIT, intramurals have to make do with less than half the space they are allocated here.

Student energy and activity is directed through different channels at MIT. Without old traditions to guide and lead them, the students here just go out and do

what comes naturally to them. They don't know how you're supposed to act at a Homecoming Football game, so they do what they feel like doing — sometimes with spectacular results. (The vision of Leo as Homecoming Queen is certainly among my most prized collection of mental snapshots of MIT).

I have enjoyed many different aspects of MIT sports over the years. I will never forget those days on the old MIT ice rink when time was spent battling those frigid blasts of wind blowing off the Charles. I will never

forget those rugby games played in a rain-drenched mudbowl of a rugby field — with no spectators, of course.

On the other hand, an Ivy League football weekend is something which everyone should experience at least once. There is something special about the tailgate picnics in the crisp autumn air, the Dartmouth bonfires, the bourbon and cider at the game, and the midnight punches on fraternity row at Dartmouth.

To tell the truth, I don't know which world I prefer — they're both unique.

Fencers overpower Tufts

By Amelia Phillips

Editor's note: Amelia Phillips is a member of the women's fencing team.

In the first fencing match of the season, a scrimmage against Tufts University, the women came out in true form and spirit, winning with a tied bout score of 8-8 but leading in number of touches, 55-60.

Suzanne Hirschman '82 took the first bout 5-2, with Lynn Muradian '81 defeating her first

opponent 5-0. Determined not to be outdone, Paige Kolze, succeeded in doing the same to her opponent, with Hirschman winning the final and deciding bout, 5-4.

The women's varsity goes against Harvard at home at 7pm tomorrow, and then faces Brooklyn at 1pm on Saturday. The next day, MIT joins five other teams competing in the Christmas Invitational at Brandeis.

MIT Basketball Schedule

1979-80 Basketball Schedule

Tues. Nov. 27 at Babson, 8pm
Thurs. Nov. 29 vs. Brandeis, 7:30pm
Fri. Nov. 30 — Sat. Dec. 1: Whaling City Tournament vs. Connecticut College, Drew, and Coast Guard at New London, Ct.
Tues. Dec. 4 vs. Tufts, 7:30pm
Sat. Dec. 8 vs. Brooklyn College, 8pm
Tues. Dec. 11 vs. Trinity, 7:30pm
Mon. Jan. 7 at Lowell, 7:30pm
Sat. Jan. 12 at Bates, 7:30pm
Thurs. Jan. 17 at Wesleyan, 7:30pm

Sat. Jan. 19 vs. Bowdoin, 7:30pm
Thurs. Jan. 24 at New England College, 7:30pm
Sat. Jan. 26 vs. Coast Guard, 7:30pm
Tues. Jan. 29 at Curry, 7:30pm
Sat. Feb. 2 at Amherst, 8pm
Tues. Feb. 5 vs. Nichols, 7:30pm
Sat. Feb. 9 at Gordon, 8pm
Mon. Feb. 11 vs. Yeshiva, 8pm
Wed. Feb. 13 vs. Suffolk, 7:30pm
Sat. Feb. 16 at Clark, 8pm
Thurs. Feb. 21 vs. WPI, 7:30pm
Sat. Feb. 23 vs. Connecticut College, 3pm

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UA NEWS

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Call to Order

The General Assembly will meet this Thursday at 9:30pm at Delta Kappa Epsilon fraternity, 403 Memorial Drive. Dr. Gray will not be able to attend this meeting due to his extremely busy schedule.

Agenda

1. Amnesty International Issue: Should the GA take stands on outside political issues? / Schiou Huang
2. Institute Guests proposal / initial discussion by Chuck Markham, UAVP
3. Standing Committee Relations Review report — Finance Board bylaws / Arnold Contreras, Chairman
4. Commons Working Group report / Brinko, Chairman
5. Selection of 3 GA reps as community representatives to the Dec. 10th. Commons meeting with the administration.
6. New Business

UA Social Committee

UA Social Committee will meet at 9:30pm, Wednesday in room 400 of the Student Center.

GA Working group on

Standby Committee Relation Review

This working group has completed an overall review of the UA Finance Board. At its last meeting, this working group, in consultation with FinBoard Chairman Tom Colten, drafted new FinBoard by-laws and is submitting these by-laws to the General Assembly for ratification.

This working group will begin reviewing the UA Nominations Committee on Tuesday, December 4th at 7:30pm in room 400 of the Student Center. All members and interested non-members should attend.

For more information contact Arnold Contreras at x5-6280 or x5-6262.

Course Evaluation Guide

The course evaluation survey is ready to go out to all departments. We still need a few more students to help make this guide a reality. We will meet at 7:30pm in the Technology Community Association office, room 450 of the Student Center on Sunday, December 2. This only will involve a few hours of your time, and the results will be very worthwhile.

Republican Club

The Republican Club is having an organizational meeting at 7:00 Thursday, November 29 in Room 400 of the Student Center. All students interested in politics and the upcoming presidential elections are encouraged to attend this first meeting. Call Win Cody at 267-2199 for further details.

IAP Exchange

Anyone interested in participating in an exchange between MIT and other schools should call Dan Shapiro at the UA office, x2696.

Notice

Schio Huang has been registered as the GA rep from Theta Xi.

Good bye, Terry

The Undergraduate Association Secretary, Terry Principi, is leaving this week. We at the UA would like to wish her the very best of luck in the future. A spontaneous going away party will occur sometime on Friday afternoon. Everyone is invited.

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